

PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 246 (GREAT MILLS ROAD) AND ESSEX DRIVE, IN ST. MARY'S COUNTY, MARYLAND. MD 246 (GREAT MILLS ROAD) IS ASSUMED TO RUN IN A EAST-WEST DIRECTION.

INTERSECTION OPERATION

MD 246 AT ESSEX DRIVE

THE INTERSECTION OPERATION WILL REMAIN THE SAME.
ALTERNATE PEDESTRIAN PHASES WILL BE PROVIDED ACROSS ESSEX DRIVE AND THE WEST LEG OF MD 246.

TYPICAL MESSAGES FOR ACCESSIBLE PED SIGNALS

TYPICAL INTERSECTION, STREETS AT 90 DEGREES

WAIT: "WAIT TO CROSS GREAT MILLS ROAD AT ESSEX DRIVE" *
WALK: RAPID TICK
WALK: "WALK SIGN ON TO CROSS GREAT MILLS ROAD"

TYPICAL INTERSECTION, STREETS AT 90 DEGREES

WAIT: "WAIT TO CROSS ESSEX DRIVE AT GREAT MILLS ROAD" *
WALK: RAPID TICK
WALK: "WALK SIGN ON TO CROSS ESSEX DRIVE"

* MESSAGE USED IF DISTANCE FROM NEAREST PUSHBUTTON FOR PERPIDICULAR CROSSING IS < 10'
** MESSAGE USED IF CROSSWALK DIVERGES FROM OR CONVERGES WITH PARALLEL TRAFFIC

NOTE: MESSAGES FOR INTERSECTION CONFIGURATIONS, VARYING FROM THE ABOVE
ARE TO BE APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.

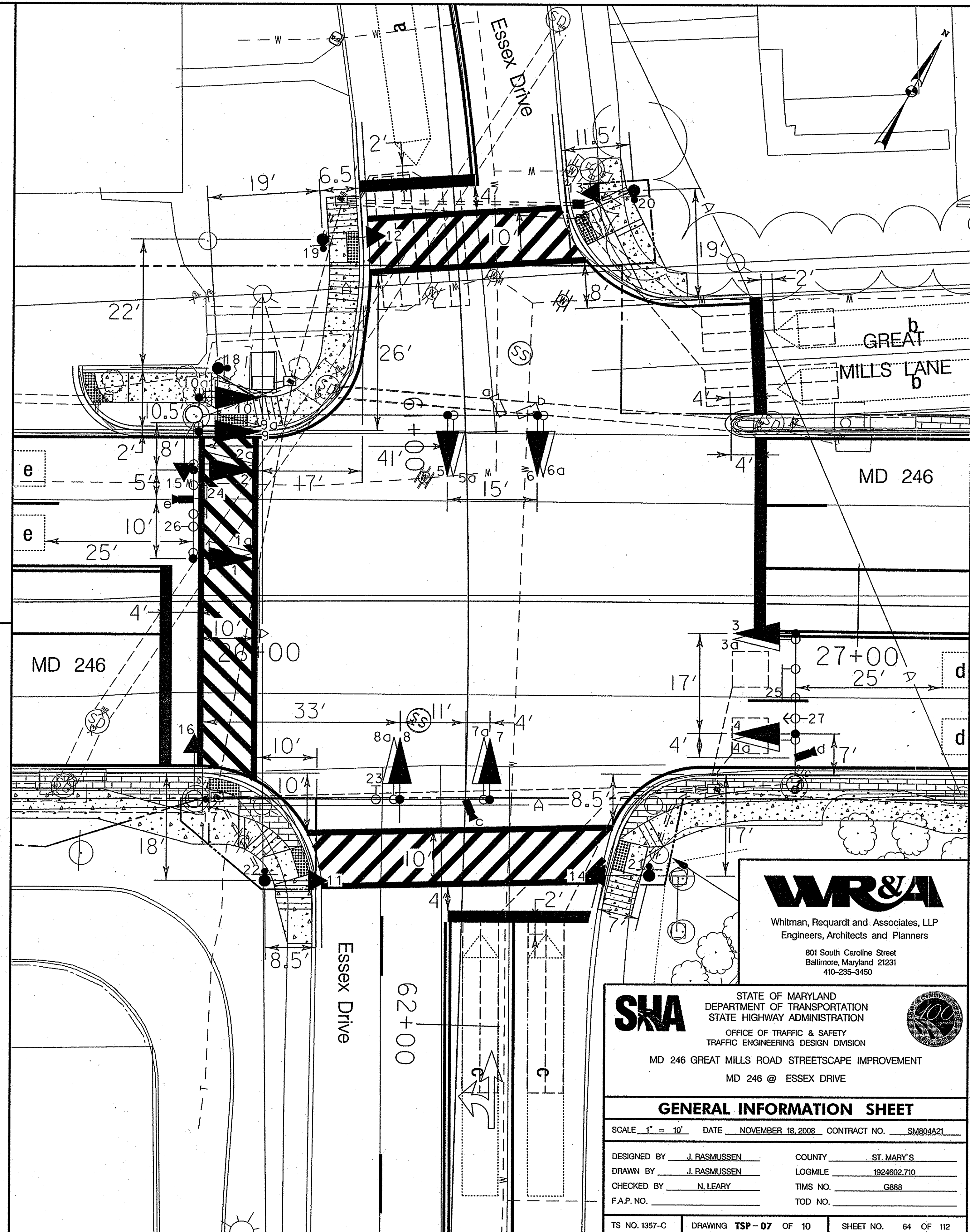
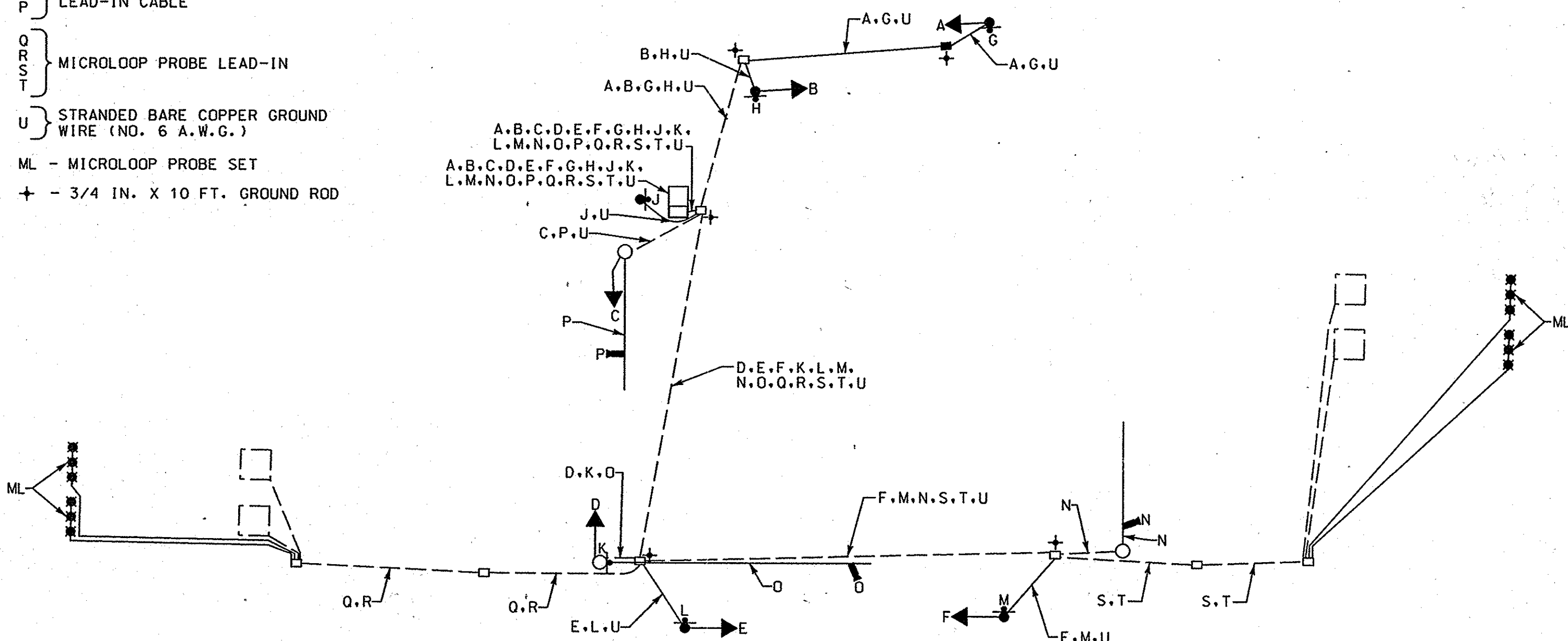
CONTROLLER REQUIREMENTS

THE EXISTING CABINET AND CONTROLLER SHALL BE USED.

WIRING KEY

- 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- VIDEO CAMERA DETECTION LEAD-IN CABLE
- MICROLOOP PROBE LEAD-IN
- STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- ML - MICROLOOP PROBE SET
- + - 3/4 IN. X 10 FT. GROUND ROD

WIRING DIAGRAM MD 246 AT ESSEX DRIVE (NOT TO SCALE)



WR&A

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SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 246 GREAT MILLS ROAD STREETScape IMPROVEMENT

MD 246 @ ESSEX DRIVE

GENERAL INFORMATION SHEET

SCALE 1" = 10' DATE NOVEMBER 18, 2008 CONTRACT NO. SM804A21

DESIGNED BY J. RASMUSSEN COUNTY ST. MARY'S
DRAWN BY J. RASMUSSEN LOGMILE 1924602.710
CHECKED BY N. LEARY TMS NO. G888
F.A.P. NO. TOD NO.

TS NO. 1357-C DRAWING TSP-07 OF 10 SHEET NO. 64 OF 112

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